

Product datasheet for **RR213740**

Cpne7 (NM_001108454) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpne7 (NM_001108454) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cpne7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR213740 representing NM_001108454
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCGGCGACTCGGAGCGCACGGTGGCCCCGGGGTGGTGCCTGCACCCTGCGCCTCGAAGTGGAGC
 TCGGGCTGAGCTGCCGGCACCTGCTGGATCGGGATCCGCTGACCAAGTCGGACCCAGCGTGGTGCCTGCT
 GCAGCAGGCACAGGGCCAGTGGCTACAGGTGGACAGAACGGAGGTGGTGAAGAGCAGCCTGCATCCTGTG
 TTCTCAAAGTCTTCACTATGGACTATTACTTCGAGGAGGTGCAGAAGCTACGATTTGAGGTGTACGACA
 CCCACGGGCTAGTGGGCTGAGTTGCCAGGATGATGACTTCTAGGGGGCATGGAGTGTACCCTGGGTCA
 AGACCTCTTCAGCAAGTCGGACCCCTTCTAGAGCTGTATCGGGTCAACGACGACGGGAGTGAACAGCTG
 GTGTACAGGACAGAGTCTGAAGAATAATCTTAACCCAGTGTGGGAACCCTTCAAGGTGTCCCTGAATT
 CGCTCTGCAGCTGCGAGGAGACACGGCCTCTGAAGTGCCTGGTCTGGGACTATGACTCCCGAGGAAAGCA
 TGACTTCATTGGCGACTTACCACCACCTTCGAGAGATGCAGAAGGCCCTTGGAGGAGCAGGCCCAG
 TGGGACTGTGTAATGCCAAGTACAACAGAAGAAGCGCAATTACAAGAACTCTGGGGTGGTGTATCCTGG
 CGGACCTGAAGGTAGCCATCGACTTCACAGCCTCCAATGGTGACCCAAGGAACAGCTGCTCCCTCCACCA
 CATCAACCCTTACCAGCCCAACGAGTACCTGAGGGCGCTGGTGGCCGTGGGCGAGGTCTGCCAGGATTAT
 GACAGTGACAAGCGATTTTCTGCTTTGGGATTTGGAGCCCGGATACCTCCAAAGTATGAGGTGTCCCATG
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 GAAGTGCCTGCCAGGGTCCAGCTCTACGGCCCCACCAATGTGGCCCCATCATCTCTAAGTGGCACGC
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 TGGTGACGGATATGTCGGACACTCGAGAGGCCATCGTGGCGCCCTCCACCTGCCATGTCTGTGCATCAT
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 CCACGGGGCGAGCTGCACTCCGAGACATCGTTAGTTTGTGCCCTTCCGTGAGCTCAAGAAATGCGTCCC
 CTGCGGCACTGGCCAAGTGTGTGTTGGCCGAGGTGCCAAAGCAGGTGGTTGAGTACTACGCCACAAGGA
 CCTGCCTCCTCGAAGCCTTGGTGCCAGACTGGAGAGGCTGGTCCAGCTCAGCGCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213740 representing NM_001108454
 Red=Cloning site Green=Tags(s)

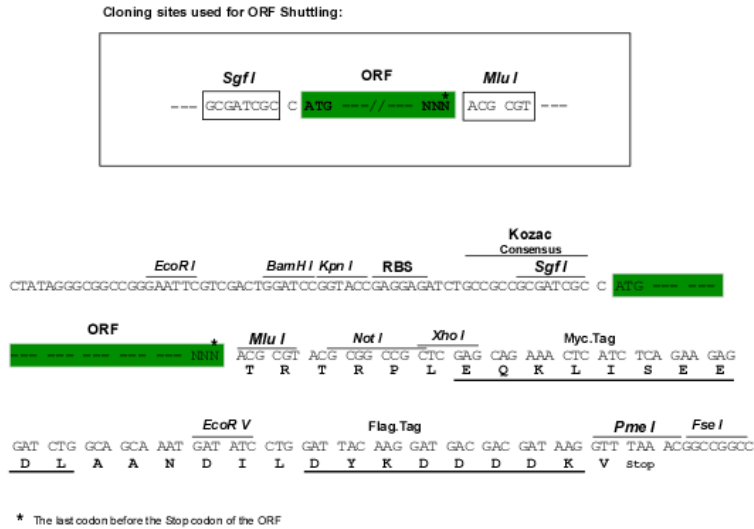
MSGDSERTVAPGVVPAPCASKVELRLSCRHLLDRDPLTKSDPSVLLQQAQQWLQVDRTEVVKSSLHPV
 FSKVFTMDYYFEEVQKLRFVYDTHGPSGLSCQDDDFLGGMECTLGQDLFSKSDPFLELYRVNDDGSEQL
 VYRTEVVKNNLNPVWEPFKVSLNSLCSCEETRPLKCLVWDYDSRGKHDFIGDFTTTFAEMQKAFEEEEQAQ
 WDCVNAKYKQKRNYKNSGVVILADLKVAIDFTASNGDPRNSCSLHHINPYQPNEYLRALVAVGEVCQDY
 DSDKRFSALGFGARIPPKYEVSHDFAINFNPEDDECEGIQGVVEAYQNCLPRVQLYGPTNVAPIISKVAR
 MAAAEEERTGEASQYYILLILTDGVVTDMSDTREAIVRASHLPMSVIIIVGVNADFMDQILDGDDGILRS
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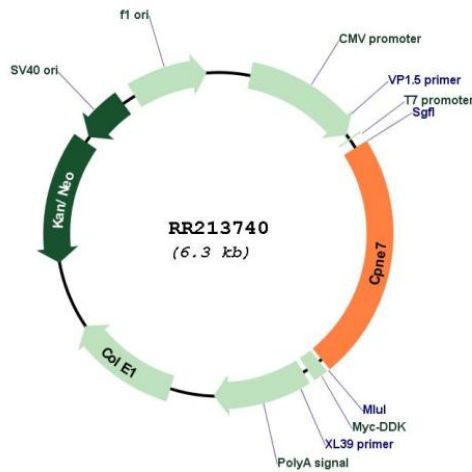
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108454

ORF Size: 1458 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001108454.1](#), [NP_001101924.1](#)

RefSeq Size: 2212 bp

RefSeq ORF: 1461 bp

Locus ID: 361433

Cytogenetics: 19q12

MW: 54.1 kDa

Gene Summary: Calcium-dependent phospholipid-binding protein that may play a role in calcium-mediated intracellular processes.[UniProtKB/Swiss-Prot Function]